

Remarks

Claims 1-20 are pending in this application. The examiner has rejected claims 1-11 and 13-20 as being obvious under 35 U.S.C. 103(a) over “Kernel Korner Writing a Linux Driver” to Matia in view of U.S. Patent No. 6,289,396 to Keller. The examiner has additionally rejected claim 12 under 35 U.S.C. 103(a) over Matia in view of Keller and U.S. Patent No. 6,754,858 to Broman.

A. The Combination of Matia and Keller Does Not Establish a Prima Facie Case of Obviousness as to Independent Claims 1, 8, and 13

Applicants respectfully submit that a prima facie case of obviousness has not been established and that a rejection of the pending claims on obviousness grounds is improper. A prima facie case of obviousness requires a showing that all of the claim limitations of the rejected claims are taught or suggested by the prior art. Manual of Patent Examining Procedure 2143 and 2143.03. The establishment of a prima facie case of obviousness requires that *all* the claim limitations be taught or suggested by the prior art. MPEP 2143.01 (emphasis added). “All words of a claim must be considered in judging the patentability of that claim against the prior art.” *In re Wilson*, 424 F.2d 1382, 1385, 165 U.S.P.Q. 494, 496 (CCPA 1970). Here, a prima facie case of obviousness is not established because (a) Keller does not disclose “a device driver having . . . a service layer in open source form”; and (b) Matia does not disclose the step of “compiling the service layer against the kernel . . . after each modification to the kernel.”

1. Keller Does Not Disclose a Device Driver with a Service Layer in Open Source Form

According to the Examiner, Keller “teaches a device driver having . . . a service layer in open source form.” (Office Action, page 3). The Examiner explains that this teaching in Keller is found in column 7, lines 50 through column 9. This passage of Keller describes the diagram of Figure 2 of Keller, which includes driver 50 of Keller. This passage of Keller,

however, makes no mention of the fact that any of modules of driver 50 constitute a service layer that is in *open source* form. Not one of the modules of driver 50 of Keller is described as being in open source form. This disclosure is absent from the cited passage of Keller. Because Keller does not disclose a service layer in open source form, all of the claim limitations are not taught or suggested by the prior art. As such, the Examiner's obviousness rejection of claims 1, 8, and 13 should be withdrawn.

2. Matia Does Not Disclose Compiling the Driver against the Kernel after Each Modification to the Kernel

According to the Examiner, Matia teaches the step of "compiling the driver against the kernel of the open source operating system after each modification to the kernel of the open source operating system." (Office Action, page 2). The Examiner explains that this teaching is found on pages 2 and 10 of Matia. Page 2 of Matia describes drivers generally, but does not concern driver compilation. Page 10 concerns the "task of integrating the driver into the kernel" and describes the step of "re-compile the driver." The recompilation of Matia, however, occurs after a modification to the driver, and not after each modification to the kernel, as required by the independent claims of the application.

Matia concerns the recompilation of the device driver following a modification to the device driver. As an example, on page 8 of Matia, under the heading "Implementation of Driver Functions, the user is given instructions on "programming your own driver." These instructions continue through page 10 and concern steps for recompiling the driver following a modification *to the driver itself*. Matia does not disclose the element of the independent claims that requires that the server layer be compiled against the kernel "after each modification to the kernel." Because this element of the claims is not taught or suggested by Matia, a prima facie

case of obviousness cannot be established by the combination of Keller and Matia. As such, the rejection of claims 1, 8, and 13 should be withdrawn.

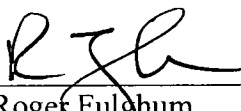
B. Dependent Claims 1-7, 9-12, and 14-20

Dependent claims 1-7, 9-12, and 14-20 will not be discussed individually herein, as these claims depend, either directly or indirectly, from an otherwise allowable base claim.

Conclusion

Applicants respectfully submit that the pending claims 1-20 of the present invention, as previously amended, are allowable. Applicants respectfully request that the rejection of the pending claims be withdrawn and that these claims be passed to issuance.

Respectfully submitted,



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